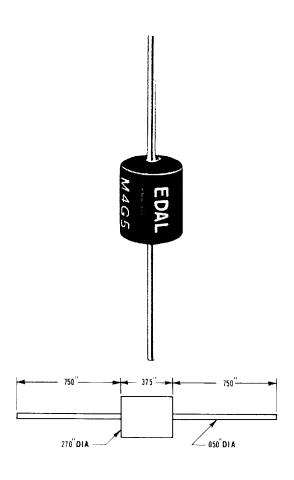
SERIES



Series M silicon rectifiers meet moisture resistance of MIL Standard 202A, Method 106 without the costly insulation required by glass-to-metal seal types. Offering reduced assembly costs, this rugged design replaces many stud-mount types. The compact tubular construction and flexible leads facilitating point-topoint circuit soldering and providing excellent thermal conductivity. Edal medium current silicon rectifiers offer stable uniform electrical characteristics by utilizing a passivated double diffused junction technique. Standard and bulk avalanche types in voltage ratings from 50 to 1500 volts PIV. Currents range from 1.5 to 6.0 amps. Also available in fast recovery.

CODE 1 2 3	FORWARD CURRENT (AMPS) 1.5 2.0 2.5 3.0	CODE A B C D E	(VOLTS) 50 100 200 300 400 500	CODE 1 5	REVERSE CURRENT (μA) 2 10 Bulk Avalanche
5 7	5.0 6.0	G H	600 700		
		K M N P	800 1000 1200 1500	∘ at 25°C ambient temperature	



at 100°C ambient temperature, at 150°C ambient temperature. 5 amps Maximum Allowable One Cycle Surge Current:

Maximum Allowable DC Output Current: at 25°C ambient temperature.

(60 Hz single phase non-recurrent at rated PRV and no load) 250 amps

ximum Full Load Forward Voltage Orop Peak at 50°C

1.0 volt

3.0 amps

2.2 amps

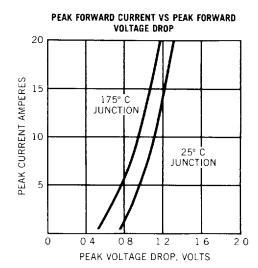
Maximum Reverse Current

Peak at 25°C 10 µA

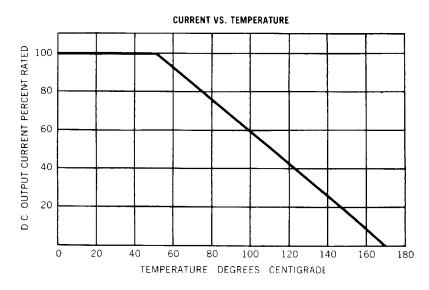
Storage Temperature 65°C to 185°C

Ambient Operating Temperature -65°C to 175°C *Rating can be increased to 6 amps by utilizing heat sink First code represents series, second is forward current, third reverse volts, fourth reverse current Series M 4 B 5 for example is 3 amps 100 PIV 10 µA

PERFORMANCE CURVES ON REVERSE SIDE



SURGE CURRENT RATING TIME IN CYCLES 0 6 1 0 6 0 600 250 NO LOAD RATED LOAD 100 RATED LOAD TIME IN SECONDS



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